

CLAIM AMENDMENTS:

Claim 1 (Currently Amended): A method for capturing biological tissues, comprising:

placing a biological tissue sample on a biological tissue slide;

after said placing is performed, inverting said biological tissue slide and fixing said biological tissue slide on a working platform, so that the biological tissue sample is disposed between the biological tissue slide and the working platform;

positioning the biological tissue slide, with the tissue sample disposed thereunder, above a flat planar tissue sample protecting means, said tissue sample protecting means having a tissue sample hole therein;

defining a tissue profile from the tissue sample;

cutting along the tissue profile to form a cell sample from the tissue sample, using a contactless cutting apparatus which is an air knife;

after cutting along the tissue profile, driving said working platform such that a center of the cell sample is disposed under an impact lever moving mechanism; and

applying a force to said biological tissue slide with the impact lever moving mechanism, thereby causing said cell sample to drop down through the tissue sample hole and into a sampling mortar.

Claim 2 (Currently Amended): A device for capturing biological tissues, comprising:

a working platform;

a biological tissue slide adapted to receive a biological tissue sample thereon, said biological tissue slide being fixed to said working platform in an inverted state, so that the biological tissue sample is disposed between the biological tissue slide and the working platform;

a contactless cutting apparatus for cutting a cell sample along a defined tissue profile from the biological tissue sample, the contactless cutting apparatus being an air knife;

a micro-feeding mechanism, for driving said working platform;

an impact lever moving mechanism, for providing a force to said biological tissue slide

a flat sheet tissue sample protecting means, under said working platform, and having a tissue sampling hole therein, the tissue sampling hole being disposed under the cell sample; and

a sampling mortar disposed under said tissue sampling hole, wherein said sampling mortar has a diameter larger than a diameter of said tissue sampling hole, so that when said impact lever moving mechanism provides the force to the biological tissue slide, said cell sample drops through the tissue sampling hole and into said sampling mortar, while preventing any unwanted biological tissue sample from dropping into said sampling mortar.

Claims 3-5 (Canceled).

Claim 6 (Previously Presented): The method as recited in claim 1, further comprising outputting a control signal to control at least one of said cutting apparatus, driving of said working platform, and memory functions.

Claim 7 (Previously Presented): The method as recited in claim 1, further comprising repeating the recited operations.

Claim 8 (Previously Presented): The method as recited in claim 1, wherein said tissue sample hole has a larger diameter than a diameter of said sampling mortar.

Claim 9 (Previously Presented): The method as recited in claim 1, wherein said impact lever has a flexible linking head.

Claim 10 (Previously Presented): The method as recited in claim 1, wherein a controlling circuit is used in driving the working platform.

Claim 11 (Previously Presented): The method recited in claim 1, wherein said force is an impact force.

Claim 12 (Previously Presented): The method recited in claim 1, wherein said force is a vibrational force.

Claim 13 (Previously Presented): The device as recited in claim 2, wherein said impact lever moving mechanism includes a flexible lever linking head.

Claim 14 (Canceled).

Claim 15 (Previously Presented): The device as recited in claim 2, wherein said force is an impact force.

Claim 16 (Previously Presented): The device as recited in claim 2, wherein said force is a vibrational force.